

ABSTRACT OF THE DISCLOSURE

Disclosed is a positive active material for a rechargeable lithium battery. The active material includes a cobalt-based compound selected from the group consisting of the compounds represented by the formulas 1 to 4. The active material has a structure of secondary particles with a size of 10 to 30 μm and the secondary particle is gathered with primary particles with a size of 1 to 5 μm . The active material includes a metallic oxide coated on the cobalt-based compound.



where A is selected from the group consisting of O, S, F and P,

B is selected from the group consisting of S, F and P,

M is a transition metal selected from Al, Mg, Cr or Mn; Sr; or lanthanide metal selected from La or Ce;

$$0 < x < 1 \text{ and } 0 < y < 1.$$